

## ALDOC Human

**Description:**ALDOC Human Recombinant fused to 20 amino acid His Tag at N-terminal produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 384 amino acids (1-364 a.a.) and having a molecular mass of 41.6 kDa. The ALDOC is purified by proprietary chromatographic techniques.

**Catalog #:**ENPS-092

For research use only.

**Synonyms:**Fructose-bisphosphate aldolase C, Brain-type aldolase, ALDOC, ALDC.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered clear colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MPHSYPALSA EQKKELSDIA  
LRIVAPGKGI LAADSVGSM AKRLSQIGVE NTEENRRLYR QVLFSADDRV KKCIGGVIFF  
HETLYQKDDN GVPFVRTIQD KGIVVGIVKVD KGVVPLAGTD GETTTQGLDG LSERCAQYKK  
DGADFAKWRC VLKISERTPS ALAILENANV LARYASICQQ NGIVPIVEPE ILPDGDHDLK  
RCQYVTEKVL AA

**Purity:**Greater than 95.0% as determined by SDS-PAGE.

### Formulation:

The ALDOC solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

Aldolase C Fructose-Bisphosphate (ALDOC) belongs to the class I fructose-bisphosphate aldolase family. ALDOC is a glycolytic enzyme which catalyzes the reversible aldol cleavage of fructose-1,6-bisphosphate and fructose 1-phosphate to dihydroxyacetone phosphate and either glyceraldehyde-3-phosphate or glyceraldehydes respectively. ALDOC is expressed exclusively in the hippocampus and Purkinje cells of the brain.

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